

SCHEMATICS

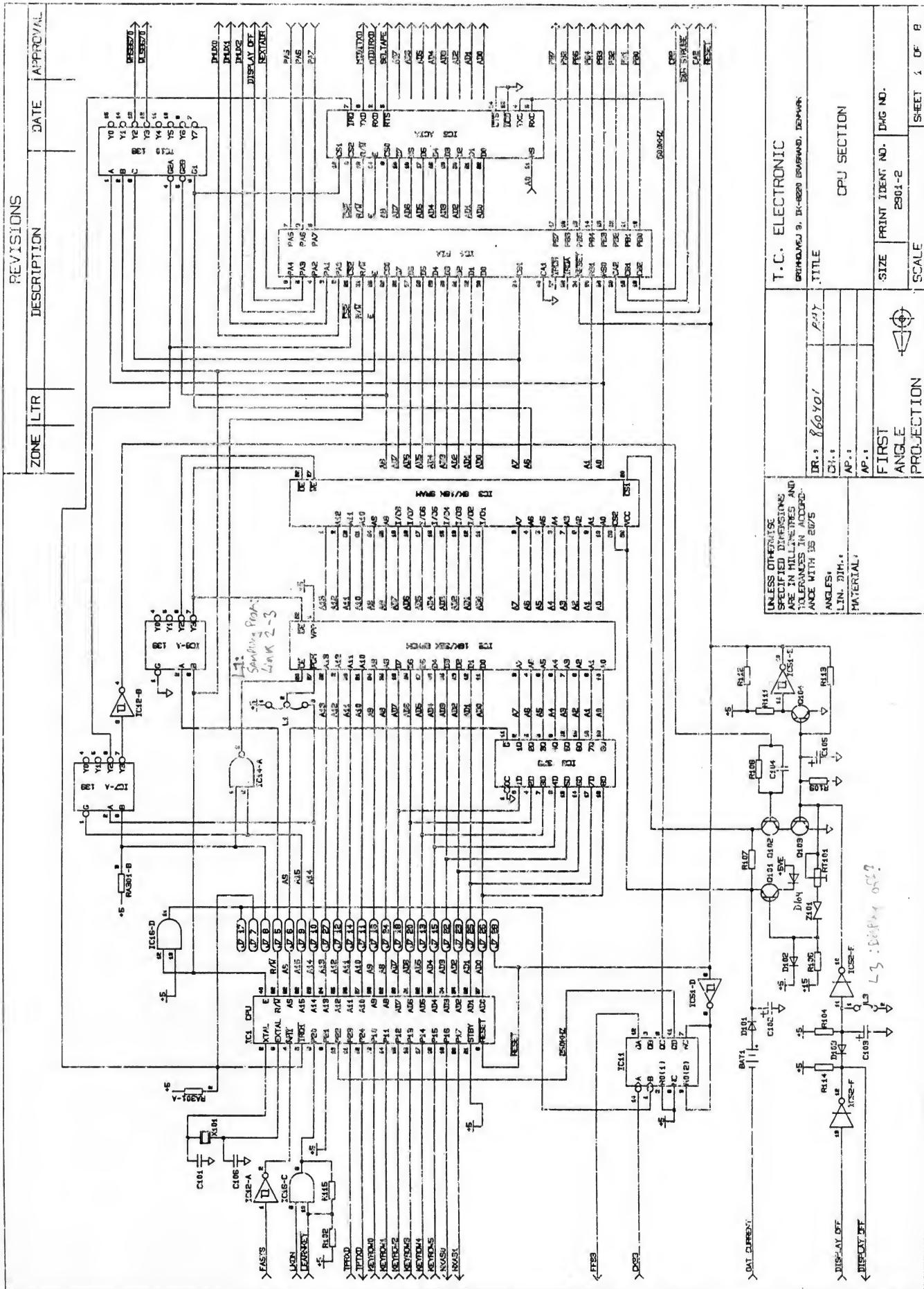
TC 2290

DYNAMIC DIGITAL

DELAY

Software version : # 26,5 : when sampling
27,08 : Sampling of 2 in 0,00 sec
27,03 : ny?

Reset : Spec. 27 = 0 (SW-var)
→ error in ; then : Spec. 23 = 0



PARTSLIST 2901-02, 2290 CPU SECTION

PL-,NO-,TYPE---,TCKODE---,KOMPONENT----

R ,101,MODST , ,non exist
 R ,102,MODST ,114511470,4K7
 R ,103,MODST , ,non exist
 R ,104,MODST ,114513100,100K
 R ,105,MODST , ,non exist
 R ,106,MODST ,114511120,1K2
 R ,107,MODST ,114511470,4K7
 R ,108,MODST ,114511470,4K7
 R ,109,MODST ,114510150,150
 R ,110,MODST , ,non exist
 R ,111,MODST ,114511100,1K0
 R ,112,MODST ,114511100,1K0
 R ,113,MODST ,114512100,10K
 R ,114,MODST ,114511470,4K7
 R ,115,MODST ,114512220,22K
 R ,116,MODST ,114512130,13K

RT ,101,MODST ,153010470,470E

C ,101,PLAB ,210229150,15P
 C ,102,TANTAL ,261574100,1U 35V
 C ,103,ELLYT ,281574100,1U
 C ,104,PLAB ,210229470,47P
 C ,105,ELLYT ,281574100,1U
 C ,106,PLAB ,210229150,15P

X ,101,XTAL ,381008100,8MHz HC18

D ,101,DIODE ,360141480,1N4148
 D ,102,DIODE ,360141480,1N4148
 D ,103,DIODE ,360141480,1N4148
 D ,104,DIODE ,360141480,1N4148

ZD ,101,ZENER ,366000390,BZX79 C3V9

P ,101,TRANS ,371005480,BC548
 P ,102,TRANS ,376036460,MPS3646
 P ,103,TRANS ,371005480,BC548
 P ,104,TRANS ,371005480,BC548

IC , 1,CPU ,351068032,68B03 NMOS
 IC , 2,EPROM ,357327128,27128
 IC , 3,SRAM ,356206415,8Kx8 CMOS
 IC , 4,PIA ,352068212,68B21
 IC , 5,ACIA ,352068502,68B50
 IC , 6,HCTMOS ,326074373,HCT373
 IC , 7,TTL ,344074139,LS139
 IC , 8,HCTMOS ,326074139,HCT139
 IC , 9, ,non exist
 IC , 10,HCTMOS ,326074138,HCT138

IC , 11,TTL ,344074093,LS93
 IC , 12,HCT ,326074014,HCT14
 IC , 13,HCT ,326074032,HCT32
 IC , 14,HCT ,326074000,HCT00
 IC , 15, ,non exist

IC , 16,HCT ,326074008,HCT08 , *spar mA v. HCTMOS

BAT, 1,BATERI ,492020320,170mA 2032 ,

ICJ, 1,SOKKEL ,438040200,40 pin sokkel,

ICJ, 2,SOKKEL ,438028200,28 PIN sokkel,

ICJ, 3,SOKKEL ,438028200,28 pin sokkel,

ICJ, 4,SOKKEL ,438040200,40 pin sokkel,

ICJ, 5,SOKKEL ,438024200,24 pin sokkel,

ICJ, 6,SOKKEL ,438020200,20 pin sokkel,

J , 11, ,435503100,3 PIN ,

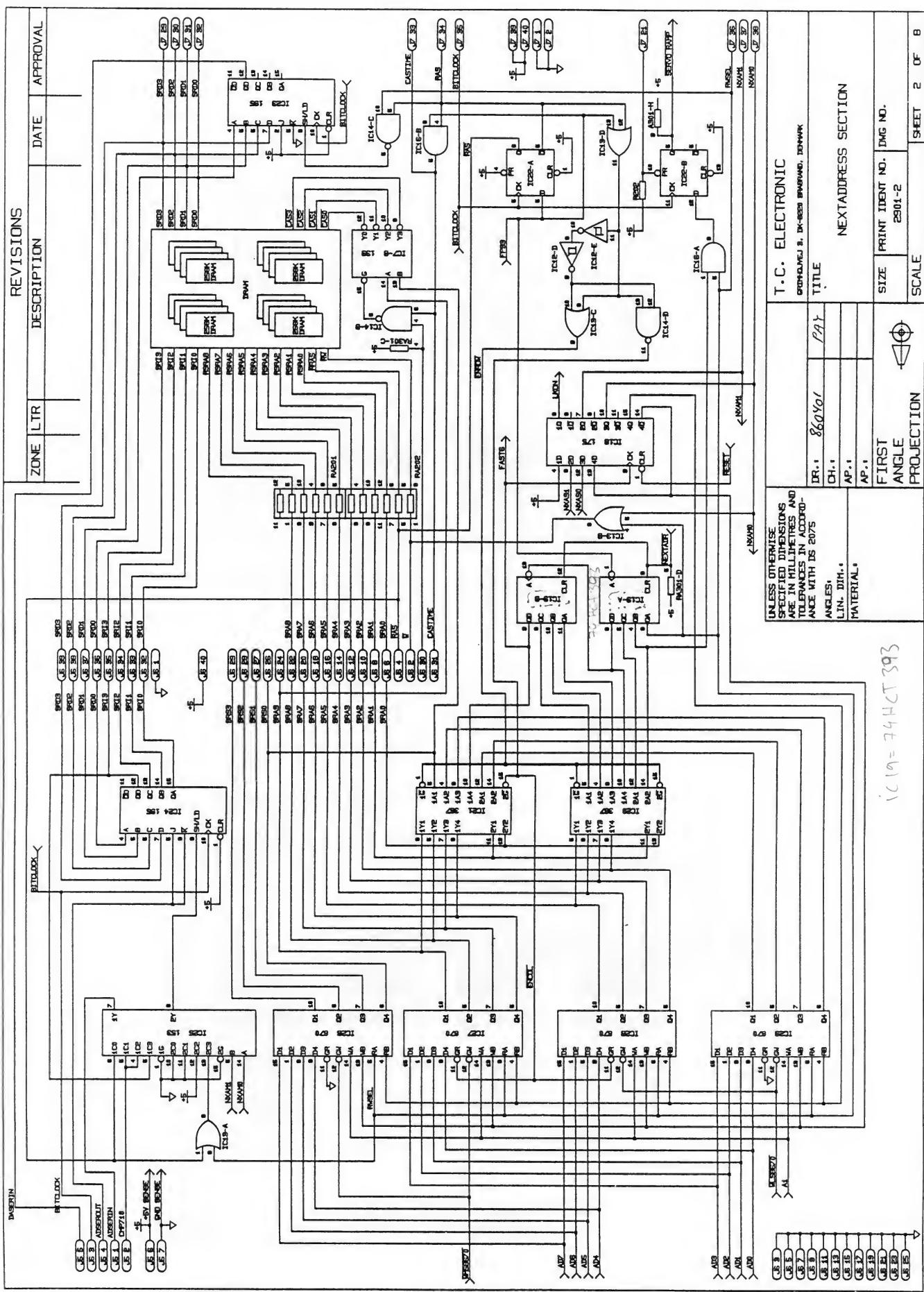
J , 12, ,non exist ,

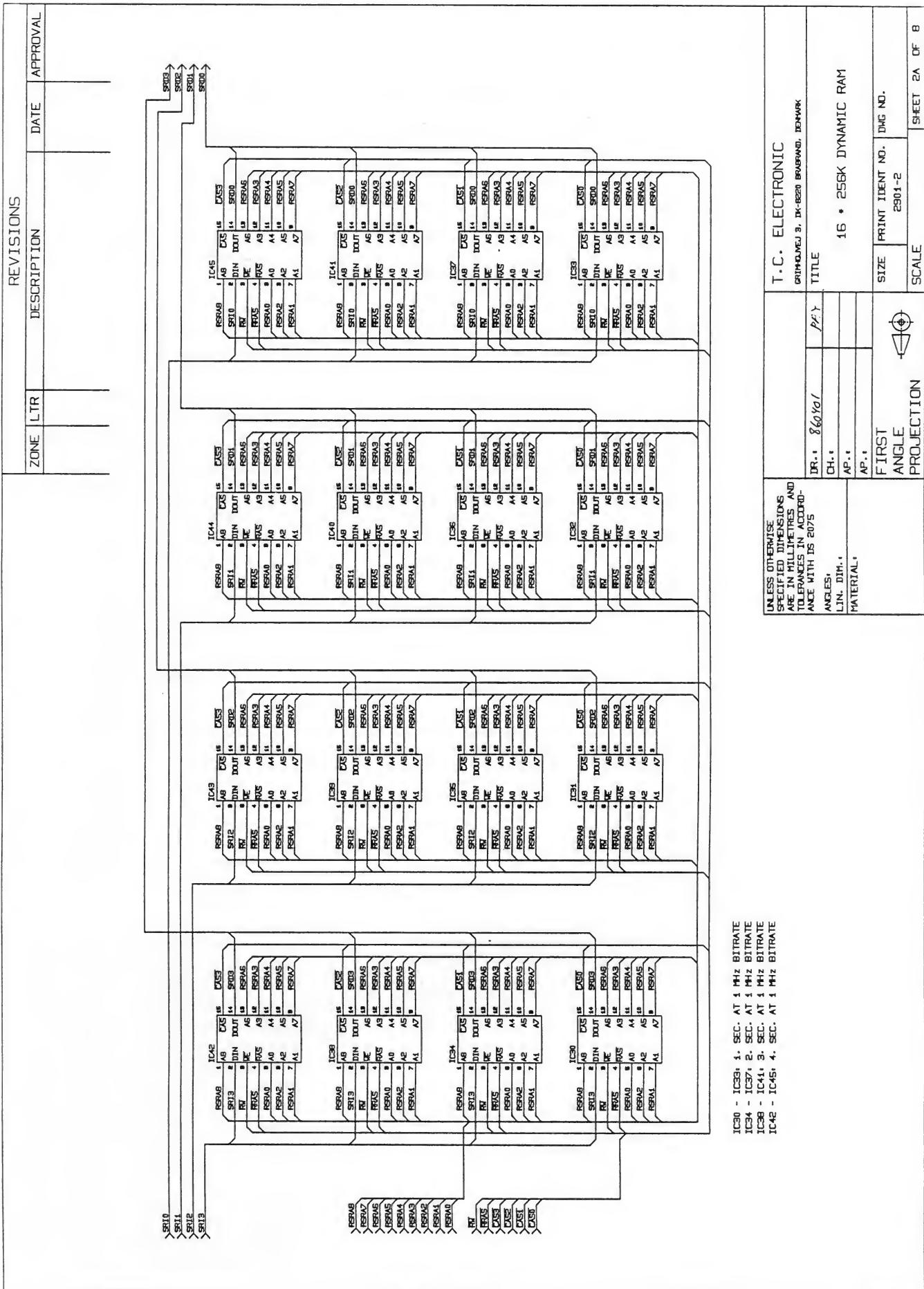
J , 13, ,435502100,2 PIN ,

J ,11A, ,434002200,2 PDL ,

PCB, 1, ,670022901,Main print ,

* markerer ændring i fint. sidste opdat.





PARTSLIST 2901-02, 2290 NEXT ADDRESS SECTION

PL-,NO-,TYPE---,TCKODE---,KOMPONENT----,

R ,201,MODST , ,non exist****,
R ,202,MODST ,114511470,4K7 ,RA ,201,R,ARRAY,142559330,33E 12PIN SEP,
RA ,202,R,ARRAY,142559330,33E 12PIN SEP,IC , 18,HCTMOS ,326074175,HCT175
IC , 19,HCTMOS ,326074393,HCT393
IC , 20,HCTMOS ,326074367,HCT367IC , 21,HCTMOS ,326074367,HCT367
IC , 22,HCTMOS ,326074074,HCT74
IC , 23,HCTMOS ,326074195,HCT195
IC , 24,HCTMOS ,326074195,HCT195
IC , 25,HCTMOS ,326074153,HCT153
IC , 26,HCTMOS ,326074670,HCT670
IC , 27,HCTMOS ,326074670,HCT670
IC , 28,HCTMOS ,326074670,HCT670
IC , 29,HCTMOS ,326074670,HCT670IC , 30,DYNRAM ,355025615,256K
IC , 31,DYNRAM ,355025615,256K
IC , 32,DYNRAM ,355025615,256K
IC , 33,DYNRAM ,355025615,256K
IC , 34,DYNRAM ,355025615,256K
IC , 35,DYNRAM ,355025615,256K
IC , 36,DYNRAM ,355025615,256K
IC , 37,DYNRAM ,355025615,256K
IC , 38,DYNRAM , ,option
IC , 39,DYNRAM , ,option
IC , 40,DYNRAM , ,option
IC , 41,DYNRAM , ,option
IC , 42,DYNRAM , ,option
IC , 43,DYNRAM , ,option
IC , 44,DYNRAM , ,option
IC , 45,DYNRAM , ,optionICJ, 19,SOKKEL ,438014200,14 pin sokkel.
ICJ, 30,SOKKEL ,438016200,16 pin sokkel,
ICJ, 31,SOKKEL ,438016200,16 pin sokkel,
ICJ, 32,SOKKEL ,438016200,16 pin sokkel,
ICJ, 33,SOKKEL ,438016200,16 pin sokkel,
ICJ, 34,SOKKEL ,438016200,16 pin sokkel,
ICJ, 35,SOKKEL ,438016200,16 pin sokkel,
ICJ, 36,SOKKEL ,438016200,16 pin sokkel,
ICJ, 37,SOKKEL ,438016200,16 pin sokkel,
ICJ, 38,SOKKEL ,438016200,16 pin sokkel,
ICJ, 39,SOKKEL ,438016200,16 pin sokkel,
ICJ, 40,SOKKEL ,438016200,16 pin sokkel,
ICJ, 41,SOKKEL ,438016200,16 pin sokkel,
ICJ, 42,SOKKEL ,438016200,16 pin sokkel,
ICJ, 43,SOKKEL ,438016200,16 pin sokkel,
ICJ, 44,SOKKEL ,438016200,16 pin sokkel,
ICJ, 45,SOKKEL ,438016200,16 pin sokkel,

32891 100

PARTSLIST 2901-02, 2290 SCAN. & REFRESH SECTION
 PL-,NO-,TYPE---,TCKODE---,KOMPONENT---,""

R	,301,MODST	,114509470,47E	
R	,302,MODST	,114511150,1K5	
R	,303,MODST	,123112205,20K5	1%
R	,304,MODST	,	non exist
R	,305,MODST	,123112205,20K5	1%
R	,306,MODST	,114512820,82k	
R	,307,MODST	,114511560,5K6	
R	,308,MODST	,	non exist
R	,309,MODST	,	non exist
R	,310,MODST	,123111287,2K87	1%
R	,311,MODST	,123111249,2K49	1%
R	,312,MODST	,123112261,26K1	1%
R	,313,MODST	,123111422,4K22	1%
R	,314,MODST	,114510470,470E	
R	,315,MODST	,123111590,5K90	1%
R	,316,MODST	,114511100,1K0	
R	,317,MODST	,123113287,287K	1%
R	,318,MODST	,123114100,1M00	1%
R	,319,MODST	,	non exist
R	,320,MODST	,123112487,48K7	1%
R	,321,MODST	,114512150,15K	
R	,322,MODST	,114515220,22M	
R	,323,MODST	,114512180,18K	
R	,324,MODST	,	non exist
R	,325,MODST	,114511330,3K3	
R	,326,MODST	,114509150,15E	
R	,327,MODST	,114510560,560E	
R	,328,MODST	,	non exist
R	,329,MODST	,123112140,14K0	1%
R	,330,MODST	,114512390,39K	
R	,331,MODST	,114511430,4K3	
R	,332,MODST	,	non exist
R	,333,MODST	,123113287,287K	1%
R	,334,MODST	,114510470,470E	
R	,335,MODST	,114512470,47K	
R	,336,MODST	,	non exist
R	,337,MODST	,	non exist
R	,338,MODST	,	non exist
R	,339,MODST	,114514100,1M0	
R	,340,MODST	,114512100,10K	
R	,341,MODST	,114511470,4K7	
RA	,301,R.ARRAY	,141551470,4K7	10%
RA	,302,R.ARRAY	,141551100,1K0	10%
RT	,301,TRIM	,153010470,470E	
RT	,302,TRIM	,153010470,470E	
C	,301,PLAB	,212060220,220P	
C	,302,PLAB	,210229150,15P	
C	,303,PLAB	,212061100,1N	
C	,304,PLAB	,212072220,22N	
C	,305,PLAB	,212072100,10N	
C	,306,PLAB	,212061470,4N7	

C ,307,TANTAL ,261573220,,22U ,2E HF filter og VCO servo respons tid.Med + til samme side som C308
C ,308,ELLYT ,281475220,22U 16V ,1F ^{ven} _{ven} 2:11_{ven} = 022L
C ,309,PLAB ,212061100,1N ;
C ,310,STYRO ,220021270,2N7 1Z ,2

C ,311,PLAB ,212060220,220P ;
C ,312,PLAB ,212072220,22N ;
C ,313,PLAB ,212061100,1N ;
C ,314,PLAB ,212020100,100P ;
C ,315,PLAB ,212061100,1N ;

D ,301,DIODE , ,non exist ,E
D ,302,DIODE ,362010800,schottky ;
D ,303,DIODE ,360141480,1N4148 ;

B ,301,TRANS ,371005580,BC558 ;
B ,302,TRANS ,371005480,BC548 ;
B ,303,TRANS ,371005580,BC558 ;
B ,304,TRANS ,371005580,BC558 ;

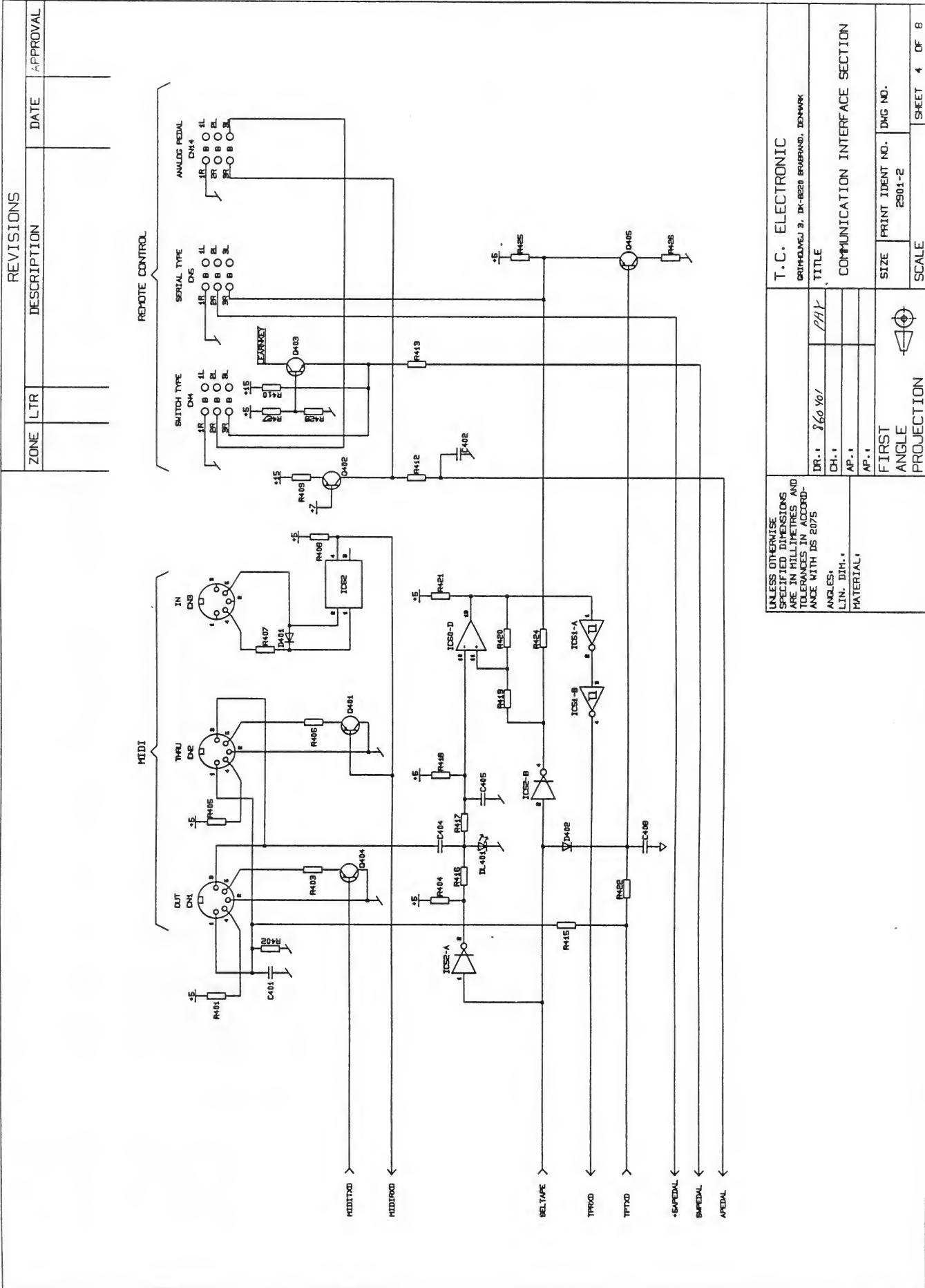
IC , 50, ,344074628,LS628 ;
IC , 51, ,324074014,HC14 ;
IC , 52, ,324074005,HC05 ;
IC , 53,DAC ,353008000,DAC-08 ;
IC , 54,CMOS ,322040052,4052 ;
IC , 55,CMOS , ,non exist ;
IC , 56,CMOS ,322040051,4051 ;
IC , 57, , ,non exist ;
IC , 58,HCMOS ,324074374,74374 ;
IC , 59,CMOS ,322040174,40174 ;

IC , 60,LINEAR ,313033900,LN339 ;
IC , 61,LINEAR ,314034004,MC34004 ;
IC , 62, , ,non exist ;
IC , 63, , ,non exist ;
IC , 64,LINEAR ,314034004,MC34004 ;

, 1,SILSTIK,435525100,25 pol stik ,

ICQ, 50,SOKKEL ,438014200,14 pol sokkel,
ICQ, 53,SOKKEL ,438016200,16 pol sokkel,

'*' markerer rettelse Nr. 1129 / ændring



PARTSLIST 2901-02, 2290 COMMUNICATION INTERFACE SEC.

PL-,NO-,TYPE---,TCKODE---,KOMPONENT----,1

R ,401,MODST ,114510220,220 ,
 R ,402,MODST ,114510470,470 E,
 R ,403,MODST ,114510220,220 ,
 R ,404,MODST ,114512330,33K E,
 R ,405,MODST ,114510220,220 ,
 R ,406,MODST ,114510220,220 ,
 R ,407,MODST ,114510220,220 ,
 R ,408,MODST ,114511150,1K5 ,
 R ,409,MODST ,123113140,140K0 1% ,
 R ,410,MODST ,123112205,20K5 1% E,

 R ,411,MODST ,114509330,33E E,
 R ,412,MODST ,114512220,22K ,
 R ,413,MODST ,114512180,18K ,
 R ,414,MODST ,114512470,47K {(*},
 R ,415,MODST ,114511330,3K3 E,
 R ,416,MODST , ,00 E,
 R ,417,MODST ,114512470,47K {(*},
 R ,418,MODST , ,00 E,
 R ,419,MODST ,114512100,10K E,
 R ,420,MODST ,114514100,1M E,

 R ,421,MODST ,114511470,4K7 ,
 R ,422,MODST ,114512100,10K E,
 R ,423,MODST ,114512100,10K E,
 R ,424,MODST ,114512330,33K E,
 R ,425,MODST ,114511100,1K0 ,
 R ,426,MODST ,114509470,47E ,
 R ,427,MODST ,114512180,18K E,
 R ,428,MODST ,114511470,4K7 E,

 C ,401,PLAB ,212072220,22N E,
 C ,402,PLAB ,212072220,22N ,
 C ,403,PLAB ,212072220,22N E,
 C ,404,ELLYT ,281574220,2U2 E,
 C ,405,PLAB ,212060470,470P , E,
 C ,406,PLAB ,212072100,10N E,
 C ,407, , ,non exist ,
 C ,408,PLAB ,212060220,220P E,

 D ,401,DIODE ,360141480,1N4148 ,
 D ,402,DIODE ,360141480,1N4148 ,
 D ,403,DIODE ,360141480,1N4148 E,
 D ,404,DIODE ,360141480,1N4148 E,
 D ,405,DIODE ,360141480,1N4148 E,

 DL ,401,LED ,391030100,#3 R&D ZENER ,

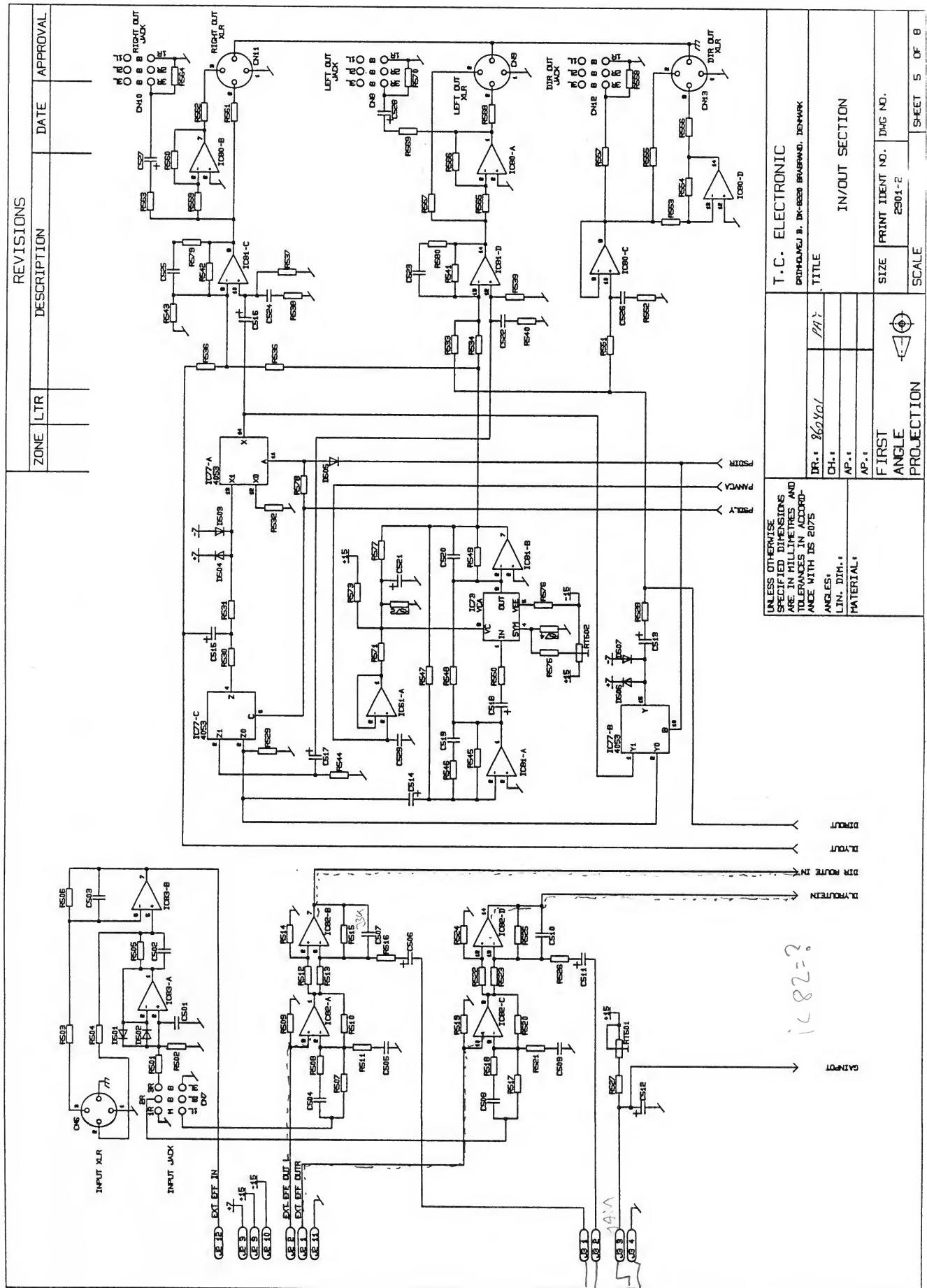
 Q ,401,TRANS ,371005580,BC558 ,
 Q ,402,TRANS ,371005580,BC558 ,
 Q ,403,TRANS ,371005480,BC548 ,
 Q ,404,TRANS ,371005580,BC558 ,
 Q ,405,TRANS ,371005580,BC558 ,

 IC , 62,LINEAR ,398060100,PC900 ,

T , 1,DINSOKL,441105200,5 POL ,
T , 2,DINSOKL,441105200,5 POL ,
T , 3,DINSOKL,441105200,5 POL ,
T , 4,JACK ,411071333,BBB-PCI TC 7,
T , 5,JACK ,411071333,BBB-PCI TC 7,
T , 14,JACK ,411071333,BBB-PCI TC 7,

't' markerer ændring ifht. PL2901-1.400
(t) markerer ændring ifht. pl2901-2.400

'' markerer printændring til 2901-3/ fly



PARTSLIST 2901-03+02, 2290 ANALOG IN/OUT SECTION

PL-,NO-,TYPE---,TCKODE---,KOMPONENT----,

R	,501,MODST	,114511100,1K	,
R	,502,MODST	,114514100,1M	,
R	,503,MODST	,123112100,10K0	,
R	,504,MODST	,123112100,10K0	,
R	,505,MODST	,123111511,5K11	,
R	,506,MODST	,123111511,5K11	,
R	,507,MODST	,123112100,10K0	,
R	,508,MODST	,114511300,3K0	,
R	,509,MODST	,114513100,100K	,
R	,510,MODST	,123112100,10K0	,
R	,511,MODST	,114511300,3K0	,
R	,512,LUS	,100040000,0E	,
R	,513,	,00	,
R	,514,	,00	,
R	,515,MODST	,114512330,33K	,
R	,516,MODST	,114511270,2K7	,
R	,517,MODST	,123112100,10K0	,
R	,518,MODST	,114511300,3K0	,
R	,519,MODST	,114513100,100K	,
R	,520,MODST	,123112100,10K0	,
R	,521,MODST	,114511300,3K0	,
R	,522,LUS	,100040000,0E	,
R	,523,	,00	,
R	,524,	,00	,
R	,525,MODST	,114512330,33K	,
R	,526,MODST	,114511270,2K7	,
R	,527,MODST	,,not used	,
R	,528,MODST	,123112100,10K0	,
R	,529,MODST	,114513220,220K	,
R	,530,MODST	,123112100,10K0	,
R	,531,MODST	,123111487,4KB7	,
R	,532,MODST	,123111487,4KB7	,
R	,533,MODST	,123112100,10K0	,
R	,534,MODST	,123112100,10K0	,
R	,535,MODST	,123112100,10K0	,
R	,536,MODST	,123112100,10K0	,
R	,537,MODST	,114512470,47K	,
R	,538,MODST	,114511300,3K0	,
R	,539,MODST	,123111562,5K62	,
R	,540,MODST	,114511300,3K0	,
R	,541,MODST	,114512100,10K	,
R	,542,MODST	,114512100,10K	,
R	,543,MODST	,114512470,47K	,
R	,544,MODST	,114512470,47K	,
R	,545,MODST	,114512100,10K	,
R	,546,MODST	,114511150,1K5	,
R	,547,MODST	,123112121,12K1	,
R	,548,MODST	,114514180,1MB	,
R	,549,MODST	,114512180,18K	,
R	,550,MODST	,114512180,18K	,

R ,551,MODST ,123112100,10K0 ,deemphasis m. C526
R ,552,MODST ,114511300,3K0 ;
R ,553,MODST ,114512100,10K ;
R ,554,MODST ,114512100,10K ;
R ,555,MODST ,114509470,47E ;
R ,556,MODST ,114509470,47E ;
R ,557,MODST ,114511150,1K5 ;
R ,558,MODST ,114511150,1K5 ;
R ,559,MODST ,114512100,10K ;
R ,560,MODST ,114512100,10K ;

R ,561,MODST ,114509470,47E ;
R ,562,MODST ,114509470,47E ;
R ,563,MODST ,114511150,1K5 ;
R ,564,MODST ,114511150,1K5 ;
R ,565,MODST ,114512100,10K ;
R ,566,MODST ,114512100,10K ;
R ,567,MODST ,114509470,47E ;
R ,568,MODST ,114509470,47E ;
R ,569,MODST ,114511150,1K5 ;
R ,570,MODST ,114511150,1K5 ;

R ,571,MODST ,123111287,2K87 ;
R ,572,MODST ,123110105,105E ;
R ,573,MODST ,123112205,20K5 ;
R ,574,MODST ,114509470,47E ;
R ,575,MODST ,114513330,330K ;
R ,576,MODST ,114511430,4K3 ;
R ,577,MODST ,114514330,3M3 ;
R ,578,MODST ,114513100,100K ;
R ,579,MODST ,114511300,3K0 ;
R ,580,MODST ,114511300,3K0 ;

RT ,501,TRIMMER, ,not used
RT ,502,TRIMMER,153012470,47K

: 1,POTM M,183773100,100K NL06 ST

C ,501,PLAB ,212060220,220P ;
C ,502,PLAB ,212020100,100P ;
C ,503,PLAB ,212020100,100P ;
C ,504,POLY ,242661220,2N2 ;
C ,505,POLY ,242661220,2N2 ;
C ,506,ELLYT ,281475220,22U 16 ;
C ,507,PLAB ,210229330,33P ;
C ,508,POLY ,242661220,2N2 ;
C ,509,POLY ,242661220,2N2 ;
C ,510,PLAB ,210229330,33P ;

C ,511,ELLYT ,281475220,22U 16 ;
C ,512,ELLYT ,281475220,22U 16 ;
C ,513,ELLYT ,281475220,22U 16 ;
C ,514,ELLYT ,281475220,22U 16 ;
C ,515,ELLYT ,281475220,22U 16 ;
C ,516,ELLYT ,281475220,22U 16 ;
C ,517,ELLYT ,281475220,22U 16 ;
C ,518,ELLYT ,281475220,22U 16 ;
C ,519,PLAB ,212060220,220P ;
C ,520,PLAB ,212020100,100P ;

C ,521,ELLYT ,281475220,22U 16 ;
C ,522,POLY ,242661220,2N2 ;
C ,523,POLY ,242661220,2N2 ;
C ,524,POLY ,242661220,2N2 ;
C ,525,POLY ,242661220,2N2 ;
C ,526,POLY ,242661220,2N2 ;
C ,527,ELLYT ,281475220,22U 16 ;
C ,528,ELLYT ,281475220,22U 16 ;
C ,529,PLAB ,212072220,22N ;
C ,530,PLAB ,212020100,100p ;
C ,531,PLAB ,212020100,100p ;
C ,532,PLAB ,212020100,100p ;

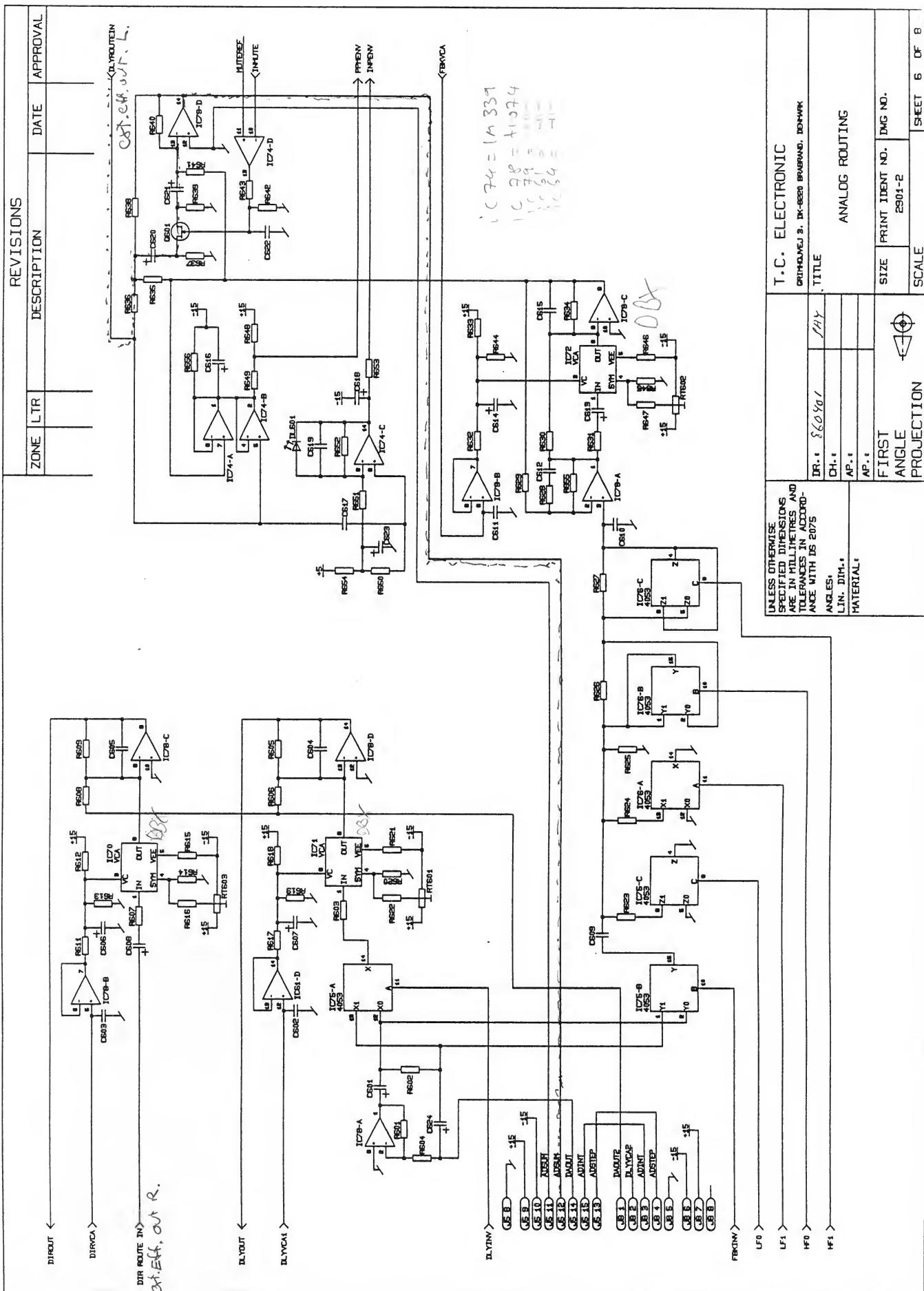
D ,501,DIODDE ,360141480,1N 4148 ;
D ,502,DIODDE ,360141480,1N 4148 ;
D ,503,DIODDE ,360141480,1N 4148 ;
D ,504,DIODDE ,360141480,1N 4148 ;
D ,505,DIODDE ,360141480,1N 4148 ;
D ,506,DIODDE ,360141480,1N 4148 ;
D ,507,DIODDE ,360141480,1N 4148 ;

IC , 73,LINEAR ,335021500,DBX 2150-A ;
IC , 77,CMOS ,322040053,4053 ;
IC , 80,LINEAR ,314007400,TL074 ;
IC , 81,LINEAR ,314047415,RC 4741 GR5 ;
IC , 82,LINEAR ,314047415,RC 4741 GR5 ;
IC , 83,LINEAR ,312045590,RC 4559 ;

T , 7,JACK ,411111533,MXB-PC ;
T , 8,JACK ,411071333,BBB-PC ;
T , 10,JACK ,411071333,BBB-PC ;
T , 12,JACK ,411071333,BBB-PC ;
T , 6,XLR ,426103200, ;
T , 9,XLR ,426103100, ;
T , 11,XLR ,426103100, ;
T , 13,XLR ,426103100, ;

J , 2,SIL ,435512100, ;
J , 3,SIL ,435504100, ;
J , 3A,SIL ,435004600,4POL HUN ;

W , 1,WIRE ,466207001,70mm BLA ;
W , 2,WIRE ,466207001,70mm BLA ;
W , 3,WIRE ,466207001,70mm BLA ;
W , 4,WIRE ,466207001,70mm BLA ;
* markerer ændring ifht. PL290103.503



PARTSLIST 2901-03+02, 2290 ANALOG ROUTING

PL-,NO-,TYPE---,TCKODE---,KOMPONENT----,

R ,601,MODST ,123112100,10K0 1% ;
R ,602,MODST ,114513220,220K ;
R ,603,MODST ,123111681,6K81 1% ;
R ,604,MODST ,123112100,10K0 1% ;
R ,605,MODST ,123112205,20K5 1% ;
R ,606,MODST , ,00 ;
R ,607,MODST ,123112205,20K5 1% ;
R ,608,LUS ,100040000,0E MODST, ;
R ,609,MODST ,123112205,20K5 1% ;
R ,610,MODST , ,non exist ;

R ,611,MODST ,123111121,1K21 1% ;
R ,612,MODST ,123111536,5K36 1% ;
R ,613,MODST ,123110105,105E 1% ;
R ,614,MODST ,114509470,47E ;
R ,615,MODST ,114511430,4K3 ;
R ,616,MODST ,114513330,330K ;
R ,617,MODST ,123111121,1K21 1% ;
R ,618,MODST ,123111536,5K36 1% ;
R ,619,MODST ,123110105,105E 1% ;
R ,620,MODST ,114509470,47E ;

R ,621,MODST ,114511430,4K3 ;
R ,622,MODST ,114513330,330K ;
R ,623,MODST ,114512330,33K ;
R ,624,MODST ,114512150,15K ;
R ,625,MODST ,114513100,100K ;
R ,626,MODST ,114511560,5K6 ;
R ,627,MODST ,114512100,10K ;
R ,628,MODST , ,00 ;
R ,629,MODST ,123112316,31K6 1% ;
R ,630,MODST ,123113681,681K 1% ;

R ,631,MODST ,123111681,6K81 1% ;
R ,632,MODST ,123111287,2K87 1% ;
R ,633,MODST ,114512180,18K ;
R ,634,MODST ,123112205,20K5 1% ;
R ,635,MODST ,123112110,11K0 1% ;
R ,636,MODST ,123112100,10K0 1% ;
R ,637,MODST ,114511150,1K5 ;
R ,638,MODST ,123112110,11K0 1% ;
R ,639,MODST ,114513220,220K ;
R ,640,MODST ,123113100,100K0 1% ;

R ,641,MODST ,123113100,100K0 1% ;
R ,642,MODST ,114514330,3M3 ;
R ,643,MODST ,114515100,10M ;
R ,644,MODST ,123110105,105E ;
R ,645,MODST ,114509470,47E ;
R ,646,MODST ,114511430,4K3 ;
R ,647,MODST ,114513330,330K ;
R ,648,MODST ,123112205,20K5 ;
R ,649,MODST ,123112100,10K0 ;
R ,650,MODST ,114512470,47K ;

R ,651,MODST ,114512470,47K ;
 R ,652,MODST ,114513330,33K ;
 R ,653,MODST ,114512220,22K ;
 R ,654,MODST ,114510470,470 ;
 R ,655,MODST ,123112100,10K0 1%
 R ,656,MODST ,114512330,33K ;

RT ,601,TRIMMER,153012470,47K ;
 RT ,602,TRIMMER,153012470,47K ;
 RT ,603,TRIMMER,153012470,47K ;

C ,601,ELLYT ,281475220,22U16 ;
 C ,602,PLAQ ,212072220,22N ;
 C ,603,PLAQ ,212072220,22N ;
 C ,604,PLAQ ,210229470,47P ;
 C ,605,PLAQ ,210229470,47P ;
 C ,606,ELLYT ,281475220,22U 16 ;
 C ,607,ELLYT ,281475220,22U 16 ;
 C ,608,ELLYT ,281475220,22U 16 ;
 C ,609,POLY ,242662470,47N ;
 C ,610,POLY ,242661330,3N3 ;

C ,611,PLAQ ,212072220,22N ;
 C ,612,PLAQ , ,oo Ohm ;
 C ,613,ELLYT ,281475220,22U 16 ;
 C ,614,ELLYT ,281475220,22U 16 ;
 C ,615,PLAQ ,212060220,220P ;
 C ,616,ELLYT ,281574220,2U2 25 ;
 C ,617,PLAQ ,212072220,22N ;
 C ,618,TANTAL ,261577220,.22U/25 ;
 C ,619,PLAQ ,212061100,1N ;
 C ,620,ELLYT ,281475220,22U 16 ;

C ,621,ELLYT ,281475220,22U 16 ;
 C ,622,PLAQ ,212072220,22N ;
 C ,623,ELLYT ,281475220,22U 16 ;
 C ,624,ELLYT ,281475220,22U 16 ;
 C ,625,PLAQ ,212072100,10N ;
 C ,626,PLAQ ,210229330,33p ;

DL ,601,LED ,391600851,03mm led ;
 Q ,601,FET ,373002450,BF245A ;

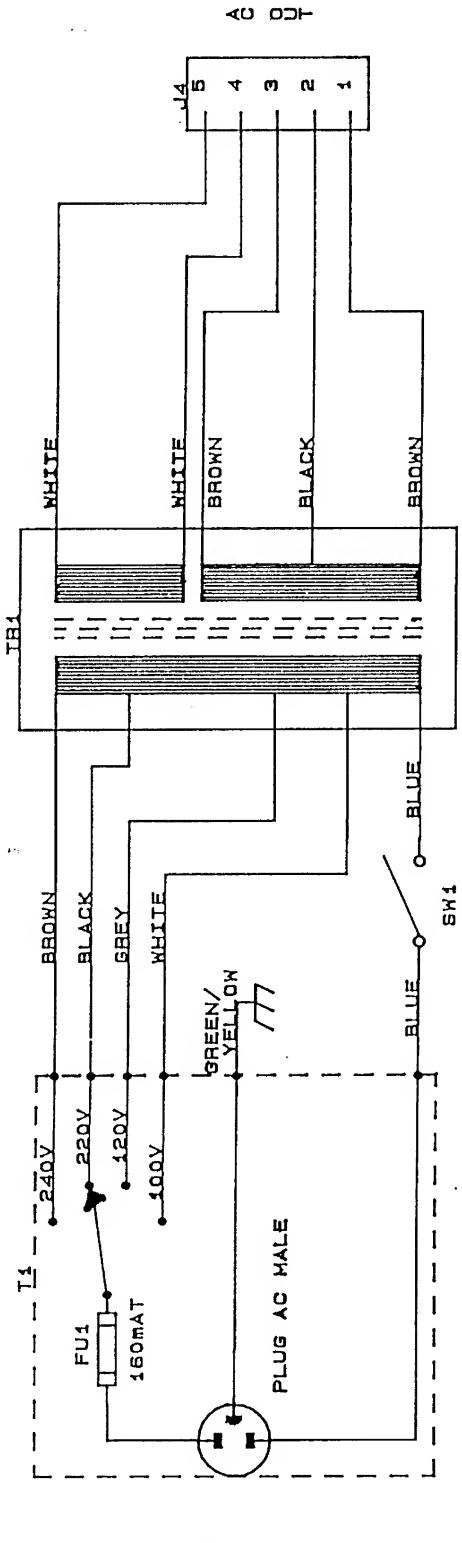
IC , 70,LINEAR ,335021500,DBX 2150-A t,
 IC , 71,LINEAR ,335021500,DBX 2150-A t,
 IC , 72,LINEAR ,335021500,DBX 2150-A t,
 IC , 74,LINEAR ,313033900,LM 339 ;
 IC , 75,CMOS ,322040053,CD 4053 ;
 IC , 76,CMOS ,322040053,CD 4053 ;
 IC , 78,LINEAR ,314007400,TL 074 ;
 IC , 79,LINEAR ,314007400,TL 074 ;

J , 5, ,435815100, ;
 J , 8, ,435508100, ;

't' markerer ændring i fht. PL290103.601

REVISI			
ZONE	LTR	DESCRIPTION	DATE
			APPROVAL
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			
TOP VIEW			

32953 1005



AC MAINS PLUG

T.C.ELECTRONIC
MAINS AC POWER SUPPLY

Size	Document Number	REV
A	PS2290.sch	KV

Date: January 1, 1980 Sheet 0 of

PARTSLIST 2901-02, 2290 POWER SUPPLY SECTION

PL-,NO-,TYPE---,TOKODE---,KOMPONENT----,

R ,701,MODST ,114509470,47E ;
 R ,702,MODST ,114511100,1K0 ;
 R ,703,MODST ,113509330,33E ;
 R ,704,MODST ,123111511,5K11 1% ;
 R ,705,MODST ,1231112100,10K0 1% ;
 R ,706,MODST ,114513220,220K ;
 R ,707,MODST ,114511100,1K0 ;
 R ,708,MODST ,114510180,180E ;
 R ,709,MODST ,113058150,165 1/3W ;
 R ,710,MODST ,1231112100,10K0 1% ;

 R ,711,MODST ,123112205,20K5 1% ;
 R ,712,MODST ,114511100,1K0 ;
 R ,713,MODST ,123111562,5K62 1% ;
 R ,714,MODST ,123111511,5K11 1% ;
 R ,715,MODST ,123111562,5K62 1% ;
 R ,716,MODST ,123111511,5K11 1% ;
 R ,717,MODST ,114509330,33E ;
 R ,718,MODST ,114511100,1K0 ;
 R ,719,MODST ,114511220,2K2 ;
 R ,720,MODST ,114508470,4E7 ;

 R ,721,MODST ,114513220,220K ;
 R ,722,MODST ,114510100,100E ;
 R ,723,MODST ,114509470,47E ;
 R ,724,MODST , ,00 ;

RT ,701,TRIMMER,153011220,2K2 ;

 C ,701,ELLYT ,283577220,2200u 35 ;
 C ,702,ELLYT ,283577220,2200u 35 ;
 C ,703,ELLYT ,281476100,1000 10 ;
 C ,704,POLY ,242662470,47N ;
 C ,705,ELLYT ,282675270,47U 35 ;
 C ,706,ELLYT ,282675470,47U 35 ;
 C ,707,ELLYT ,281475220,22U 16 ;
 C ,708,ELLYT ,281475220,22U 16 ;
 C ,709,ELLYT ,281475220,22U 16 ;
 C ,710,ELLYT ,281475220,22U 16 ;

 C ,711,ELLYT ,281475220,22U 16 ;
 C ,712,ELLYT ,281476100,1000 10 ;
 C ,713,PLAB ,212072220,22N ;
 C ,714,PLAB ,212072220,22N ;
 C ,715,PLAB ,212072220,22N ;
 C ,716,PLAB ,212072220,22N ;
 C ,717,PLAB ,212072220,22N ;
 C ,718,PLAB ,212072220,22N ;
 C ,719,PLAB ,212072220,22N ;
 C ,720,PLAB ,212072220,22N ;

 C ,721,TANTAL ,261574100,10 33V ;
 C ,722,TANTAL ,261574100,10 33V ;
 C ,723,TANTAL ,261574100,10 33V ;
 C ,724,TANTAL ,261574100,10 33V ;

C ,725,TANTAL ,261574100,1U 35V ,1E ; - -
C ,726,TANTAL ,261574100,1U 35V ;
C ,727,TANTAL ,261574100,1U 35V ;
C ,728,TANTAL ,261574100,1U 35V ;
C ,729,PLAQ ,212020100,100P ;

C ,730,ELLYT ,281475220,220 16 ;
C ,731,ELLYT ,281475220,220 16 ;
C ,732,ELLYT ,281475220,220 16 ;
C ,733,ELLYT ,281475220,220 16 ;
C ,734,ELLYT ,281475220,220 16 ;
C ,735,ELLYT ,281475220,220 16 ;
C ,736,ELLYT ,281574100,1U 16 ;
C ,737,ELLYT ,281475220,220 16 ;
C ,738,PLAB ,212072220,22N ;
C ,739,POLY ,242663100,100N ;
C ,740,ELLYT ,284378100,100000 16 ;
? ,741,TANTAL ,261574100,1U ;
? ,742,TANTAL ,261574100,1U ;

D ,701,POWER ,360010400,KBU 4A ;
D ,702,POWER , ,non exist ;
D ,703,DIODE ,360141480,1N4148 ;
D ,704,DIODE ,360140010,1N4001 ;
D ,705,DIODE ,360140010,1N4001 ;
D ,706,DIODE ,360140010,1N4001 ;
D ,707,DIODE ,360140010,1N4001 ;

DZ ,701,ZENER ,366000430,BZ179 4V3 ;

E ,701,TRANS ,371005580,BC558 ;
E ,702,TRANS ,371003370,BC337 ;
E ,703,POWER ,378000311,TIP31 A ;
E ,704,TRANS ,371005480,BC548 ;
E ,705,POWER ,378000321,TIP32 A ;

IC , 63,LINEAR ,313032400,LM 324 ;
IC , 84,LINEAR ,313032400,LM 324 ;
IC , 85,LINEAR ,319178050,7805 +SP.REG ;
IC , 86,LINEAR ,319179050,7905 -SP.REG ;
FUJ , 1,FU.HOL.,458010500, ;
FUJ , 2,FU.HOL.,458010500, ;
FUJ , 3,FU.HOL.,458010500, ;

FU , 1,FUSE ,459051315,3.15AT ;
FU , 2,FUSE ,459050315,315mAT ;
FU , 3,FUSE ,459050315,315mAT ;

J , 4,SILSTIK,436705100,5POL HAN LIG ,

NP , 1,KBLEP ,649010300, ;
NP , 2,REBB4J ,641051700, ;
NP , 3,REBB3J ,641051700, ;
NP , 4,SKRUE ,692430008,M3*8 PhJK ;
NP , 5,SKRUE ,692430008,M3*8 PhJK ;
NP , 6,SKRUE ,692430008,M3*8 PhJK ;
NP , 7,SKRUE ,692430008,M3*8 PhJK ;
NP , 8,SKRUE ,692430008,M3*8 PhJK ;
NP , 9,SKRUE ,692430008,M3*8 PhJK ;
NP , 10,SKRUE ,692430008,M3*8 PhJK ;

MP , 11,SKRUE ,692430008,M3*2 PH0X ,skrue for IC86 / klesvinkel -15V
 MP , 12,SKRUE ,692430012,M3*12 PH0X ,skrue for KBU 4A klesplate
 MP , 13,MATRIX ,695010300,M3 ,matrix for MP4
 MP , 14,MATRIX ,695010300,M3 ,matrix for MP5
 MP , 15,MATRIX ,695010300,M3 ,matrix for MP6
 MP , 16,MATRIX ,695010300,M3 ,matrix for MP7
 MP , 17,MATRIX ,695010300,M3 ,matrix for MP8
 MP , 18,MATRIX ,695010300,M3 ,matrix for MP9
 MP , 19,MATRIX ,695010300,M3 ,matrix for MP10
 MP , 20,MATRIX ,695010300,M3 ,matrix for MP11
 MP , 21,MATRIX ,695010300,M3 ,matrix for MP12
 MP , 22,TANDSK.,697600300,M3 ,tandeskive for MP4
 MP , 23,TANDSK.,697600300,M3 ,tandeskive for MP5
 MP , 24,TANDSK.,697600300,M3 ,tandeskive for MP6
 MP , 25,TANDSK.,697600300,M3 ,tandeskive for MP7
 MP , 26,TANDSK.,697600300,M3 ,tandeskive for MP8
 MP , 27,TANDSK.,697600300,M3 ,tandeskive for MP9
 MP , 28,TANDSK.,697600300,M3 ,tandeskive for MP10
 MP , 29,TANDSK.,697600300,M3 ,tandeskive for MP11
 MP , 30,TANDSK.,697600300,M3 ,tandeskive for MP12
 MP , 31,FIBERSK,697530905, ,fiberskive for MP6, isolering av tandeskive
 MP , 32,ISOLSK.,699022000,TRANSHEAT PAD,for transistor Q703
 MP , 33,ISOLSK.,699022000,TRANSHEAT PAD,for transistor Q705
 MP , 34,ISOLSK.,699022000,TRANSHEAT PAD,for IC85,+15V
 MP , 35,ISOLEK,699022000,TRANSHEAT PAD,for IC86,-15V
 MP , 36,ISOLB05,c99100300,03 ISOL.B05N ,for transistor Q703
 MP , 37,ISOLB05,699100300,03 ISOL.B05N ,for transistor Q705
 MP , 38,ISOLB05,699100300,03 ISOL.B05N ,for IC85,+15V
 MP , 39,ISOLB05,699100300,03 ISOL.B05N ,for IC86,-15V
 MP , 40,SKRUE ,691320006, ,skrue for DIN oessning T1
 MP , 41,SKRUE ,691320006, ,skrue for DIN oessning T1
 MP , 42,SKRUE ,691320006, ,skrue for DIN basning T2
 MP , 43,SKRUE ,691320006, ,skrue for DIN basning T2
 MP , 44,SKRUE ,691320006, ,skrue for DIN oessning T3
 MP , 45,SKRUE ,691320006, ,skrue for DIN oessning T3
 MP , 46,SKRUE ,691320006, ,skrue for XLR oessning T6
 MP , 47,SKRUE ,691320006, ,skrue for XLR basning T9
 MP , 48,SKRUE ,691320006, ,skrue for XLR basning T11
 MP , 49,SKRUE ,691320006, ,skrue for XLR oessning T13
 MP , 50,AUD.AF.,672440100, ,gummiafstandsstykke for ladeleytter C791 & C702
 MP , 51,STRAP ,699810120, ,strap for ladeleytter C701 & C702

*= markere ændringer ifht. pl2901-2.701

Del af pak. stykliste:

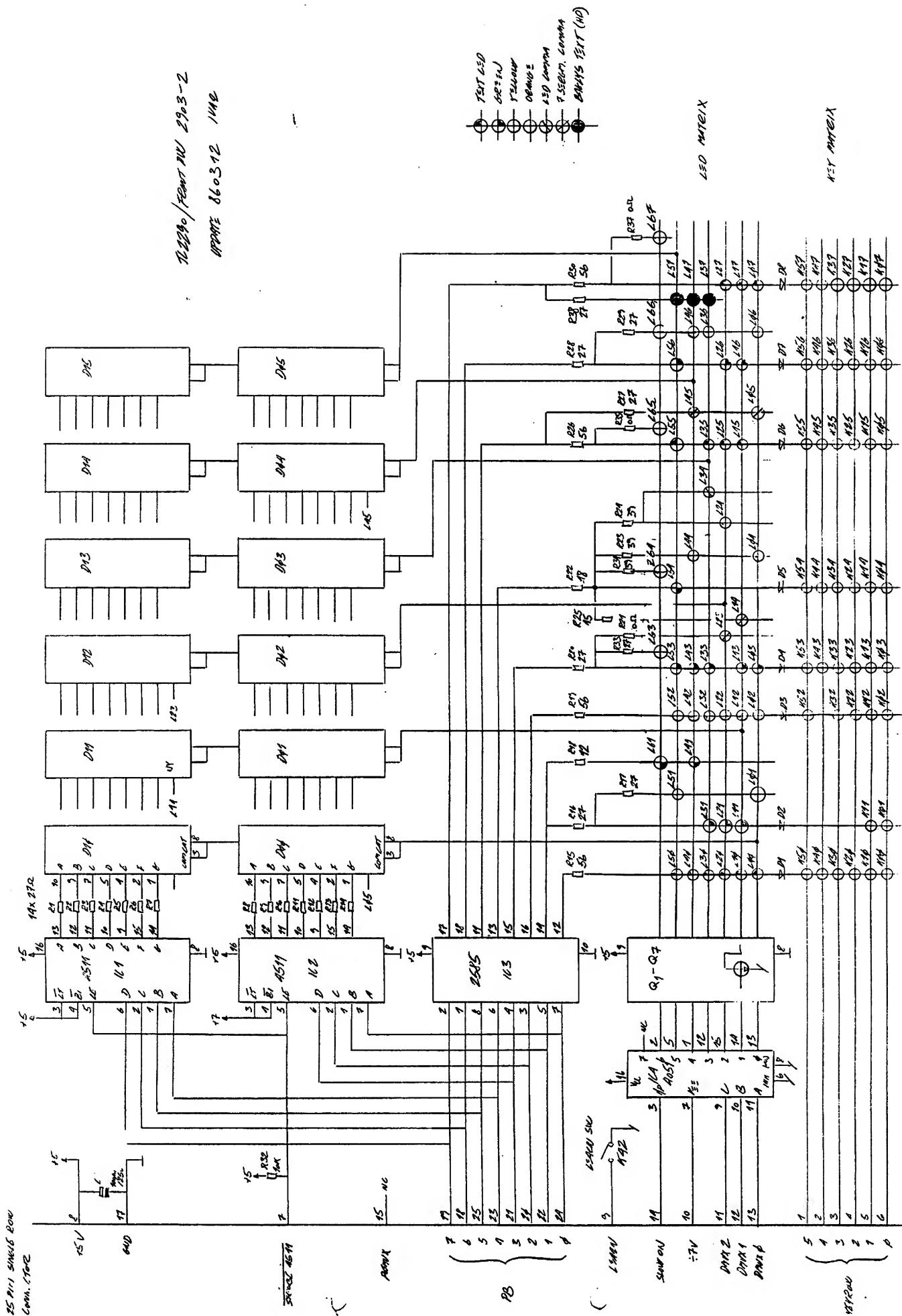
1 stk. 5 PDL FEMALE (moopart til J4) panduit 3.96 raster
 2 stk. 15V ladeledn til FEMALE/TRAFO 0.75mm², farve HVID, langde:
 1 stk. 0V -
 2 stk. 5V -
 1 stk. 240 VAC leden.m.space/ TRAFO 0.75mm², farve HVID, langde:

1 stk. 220 VAC -
 1 stk. 120 VAC -
 1 stk. 100 VAC -
 1 stk. 0 VAC -
 1 stk. jord -
 2 stk. ledn metafor,-
 1 stk. Netsikring v.220 - -240V: 125mA7, v.100 - -120V: 250mA7
 tråd, netzfibr. 20.000V R.R.E.E.

IC	TYPE	PAGE	NUMBER OF PIN	+15V	+15V	+7V	+5V	DGND	AGND	-7V	-7VE	-15V	-15VE	REMARKS
1	MD68803	1	40					7	1					DR HD63803
2	MB27120	1	28					28	14					
3	HM6264	1	28						14					
4	MD68821	1	40					20	1					DR HD63821
5	MD68850	1	24						12	1				DR HD63850
6	LS373	1	20					20	10					
7	LS139	1+2	16						16	8				
8	HCT139	1+2	16						16	8				
10	LS138	1	16						16	8				
11	LS93	1	14						5	10				
12	LS14	1+2+3	14						14	7				
13	LS32	2	14						14	7				
14	LS00	1+2	14						14	7				
16	LS08	1+2	14						14	7				
18	LS175	2	16						16	8				
19	LS393	2	14						14	7				
20	LS367	2	16						16	8				
21	LS367	2	16						16	8				
22	LS74	2	14						14	7				
23	LS195	2	16						16	8				
24	LS195	2	16						16	8				
25	LS153	2	16						16	8				
26	LS670	2	16						16	8				
27	LS670	2	16						16	8				
28	LS670	2	16						16	8				
29	LS670	2	16						16	8				
30	MB1256	2+2A	16						B	16				
45														
50	LS628	3	14						9	7				
51	HCT14	1+3+4	14						14	7				
52	HC05	1+3+4	14						14	7				
53	MC14080DAC	3	16						13	2				3
54	MC14052B	3	16						16	8				
55	MC14051B	3	16						16	8				
58	HC374	3	20						20	10				
59	MC14174B	3	16						16	8				
60	LH339	3+4	14			3			12					
61	TL074	3+5	14			4					11			
62	PC900	4	6						6	5				
63	LH324	7	14			4					11			
64	TL074	3	14		4						11			
70	DBX2155	6	8			7				2, 6				
71	DBX2155	6	8			7				2, 6				
72	DBX2155	6	8			7				2, 6				
73	DBX2155	5	8			7				2, 6				
74	LH339	6	14			3					12			
75	MC14053B	6	16			16			6, 8	7				
76	MC14053B	6	16			16			6, 8	7				
77	MC14053B	6	16			16			6, 8	7				
78	TL074	6	14			4					11			
79	TL074	6	14			4					11			
80	RC4156	5	14			4					11			
81	RC4156	5	14			4					11			
82	RC4156	5	14			4					11			
83	RC4559	5	8			8					4			
84	LH324	7	14			4					11			
85	7805	7	3											
86	7905	7	3											

ALL LS-IC's MAY BE HCT-TYPE, EXCEPT IC50 AND IC7, WHICH MUST BE LS-TYPES.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES AND TOLERANCES IN ACCORD- ANCE WITH DS 2075 ANGLES: LIN. DIM.: MATERIAL:	T.C. ELECTRONIC I/S GRINDHØJVEJ 3, DK-8220 BRABRAND, DENMARK			
	TITLE MAIN PRINT 2901-2			
	DR.:			
	CH.:	870601		
	AP.:			
AP.:				
FIRST ANGLE PROJECTION		SIZE A2	CODE IDENT NO.	DWG NO.
		SCALE	SHEET 8 OF 8	



PARTSLIST 2903-02, 2290 DISPLAY KORT

PL-,NO-,TYPE---,TCKODE---,KOMPONENT---,TXT-----

R , 1,MODST ,114509270,27E
R , 2,MODST ,114509270,27E
R , 3,MODST ,114509270,27E
R , 4,MODST ,114509270,27E
R , 5,MODST ,114509270,27E
R , 6,MODST ,114509270,27E
R , 7,MODST ,114509270,27E
R , 8,MODST ,114509270,27E
R , 9,MODST ,114509270,27E
R , 10,MODST ,114509270,27E
R , 11,MODST ,114509270,27E
R , 12,MODST ,114509270,27E
R , 13,MODST ,114509270,27E
R , 14,MODST ,114509270,27E
R , 15,MODST ,114509560,56E
R , 16,MODST ,114509270,27E
R , 17,MODST ,114509270,27E
R , 18,MODST ,114509120,12E
R , 19,MODST ,114509560,56E
R , 20,MODST ,114509270,27E
R , 21,LUS ,100040000,0E
R , 22,MODST ,114509180,18E
R , 23,MODST ,114509390,39E
R , 24,MODST ,114509390,39E
R , 25,MODST ,114509150,15E
R , 26,MODST ,114509560,56E
R , 27,MODST ,114509270,27E
R , 28,MODST ,114509270,27E
R , 29,MODST ,114509270,27E
R , 30,MODST ,114509560,56E
R , 31, , ,non exist
R , 32,MODST ,114512100,10K
R , 33,MODST ,114509270,27E
R , 34,MODST ,114509390,39E
R , 35,LUS ,100040000,0E
R , 36,MODST , ,non exist
R , 37,LUS ,100040000,0E
R , 38,MODST ,114509270,27E
R , 39,MODST ,114509270,27E
C , 1,ELLYT ,281476100,100U 16
D , 1,DIODE ,360141480,1N4148
D , 2,DIODE ,360141480,1N4148
D , 3,DIODE ,360141480,1N4148
D , 4,DIODE ,360141480,1N4148
D , 5,DIODE ,360141480,1N4148
D , 6,DIODE ,360141480,1N4148
D , 7,DIODE ,360141480,1N4148
D , 8,DIODE ,360141480,1N4148

R , 1,TRANS ,375006530,ZTX 653 , krav: Vceo > 10V, Vce saturation < 0.4V v.Ic=600 mA og Hfe > 100
 R , 2,TRANS ,375006530,ZTX 653 ,
 R , 3,TRANS ,375006530,ZTX 653 ,
 R , 4,TRANS ,375006530,ZTX 653 ,
 R , 5,TRANS ,375006530,ZTX 653 ,
 R , 6,TRANS ,375006530,ZTX 653 ,
 R , 7,TRANS ,375006530,ZTX 653 ,

 DG , 00,DISPLAY,396002010,TFK D201P K ,
 DG , 01,DISPLAY,396002010,TFK D201P K ,
 DG , 02,DISPLAY,396002010,TFK D201P K ,
 DG , 03,DISPLAY,396002010,TFK D201P K ,
 DG , 04,DISPLAY,396002010,TFK D201P K ,
 DG , 05,DISPLAY,396002010,TFK D201P K ,

 DG , 10,DISPLAY,396002010,TFK D201P K ,
 DG , 11,DISPLAY,396002010,TFK D201P K ,
 DG , 12,DISPLAY,396002010,TFK D201P K ,
 DG , 13,DISPLAY,396002010,TFK D201P K ,
 DG , 14,DISPLAY,396002010,TFK D201P K ,
 DG , 15,DISPLAY,396002010,TFK D201P K ,

 LD , 00,LED ,391503100,Ø3Fx5 ORANGE , ;f.eks. AEG TLS0 3201
 LD , 01,LED ,392005112,2.5x5 ORANGE , ;f.eks. AEG TLS0 5101
 LD , 02,LED ,392005112,2.5x5 ORANGE ,
 LD , 03,LED ,392005122,2.5x5 GRØN , ;f.eks. AEG TLS6 5101
 LD , 04,LED ,392005112,2.5x5 ORANGE ,
 LD , 06,LED ,392005112,2.5x5 ORANGE ,
 LD , 07,LED ,391503100,Ø3Fx5 ORANGE ,

 LD , 10,LED ,391503100,Ø3Fx5 ORANGE ,
 LD , 11,LED ,392005122,2.5x5 GRØN ,
 LD , 12,LED ,392005112,2.5x5 ORANGE ,
 LD , 13,LED ,392005122,2.5x5 GRØN ,
 LD , 15,LED ,391503100,Ø3Fx5 ORANGE ,
 LD , 16,LED ,392005122,2.5x5 GRØN ,
 LD , 17,LED ,391503100,Ø3Fx5 ORANGE ,

 LD , 20,LED ,391503100,Ø3Fx5 ORANGE ,
 LD , 21,LED ,392005122,2.5x5 GRØN ,
 LD , 22,LED ,392005112,2.5x5 ORANGE ,
 LD , 24,LED ,392005112,2.5x5 ORANGE ,
 LD , 25,LED ,391503100,Ø3Fx5 ORANGE ,
 LD , 26,LED ,392005122,2.5x5 GRØN ,
 LD , 27,LED ,391503100,Ø3Fx5 ORANGE ,

 LD , 30,LED ,391503100,Ø3Fx5 ORANGE ,
 LD , 31,LED ,392005122,2.5x5 GRØN ,
 LD , 32,LED ,392005112,2.5x5 ORANGE ,
 LD , 33,LED ,392005122,2.5x5 GRØN ,
 LD , 34,LED ,392007250,2.5x7 RØD S ,speed komma ; f.eks stanley, HP, IEEE el. scandibutor type
 LD , 35,LED ,391503100,Ø3Fx5 ORANGE ,
 LD , 36,LED ,392005112,2.5x5 ORANGE ,
 LD , 37,LED ,392007250,2.5x7 RØD S ,

 LD , 40,LED ,391503100,Ø3Fx5 ORANGE ,
 LD , 41,LED ,392005132,2.5x5 GUL ,
 LD , 42,LED ,392005112,2.5x5 ORANGE ,
 LD , 43,LED ,392005122,2.5x5 GRØN ,
 LD , 44,LED ,392005112,2.5x5 ORANGE ,

LD , 46,LED ,392005112,2.5x5 ORANGE ;
LD , 47,LED ,392007250,2.5x7 RØD S ;

LD , 50,LED ,391503100,Ø3Fx5 ORANGE ;
LD , 51,LED ,392005112,2.5x5 ORANGE ;
LD , 52,LED ,392005112,2.5x5 ORANGE ;
LD , 53,LED ,392005122,2.5x5 GRØN ;
LD , 54,LED ,392005132,2.5x5 GUL ;
LD , 55,LED ,391503100,Ø3Fx5 ORANGE ;
LD , 56,LED ,392005112,2.5x5 ORANGE ;
LD , 57,LED ,392007250,2.5x7 RØD S ;

LD , 60,LED , ;
LD , 61,LED ,392005132,2.5x5 GUL ;
LD , 62,LED ,392005112,2.5x5 ORANGE ;
LD , 63,LED ,392005112,2.5x5 ORANGE ;
LD , 64,LED ,392005112,2.5x5 ORANGE ;
LD , 65,LED ,392005112,2.5x5 ORANGE ;
LD , 66,LED ,392005112,2.5x5 ORANGE ;
LD , 67,LED ,392005112,2.5x5 ORANGE ;

IC , 1,CMOS ,322045011,4511 ;
IC , 2,CMOS ,322045011,4511 ;
IC , 3,SPECIAL,334025850,UDN2585A ;
IC , 4,CMOS ,322040051,4051 ;

S , 0,TROMSK ,531010100,1P DIGITAST ;
S , 1,TROMSK ,531010100,1P DIGITAST ;
S , 2,TROMSK ,531010100,1P DIGITAST ;
S , 3,TROMSK ,531010100,1P DIGITAST ;
S , 4,TROMSK ,531010100,1P DIGITAST ;
S , 5,TROMSK ,531010100,1P DIGITAST ;
S , 6,TROMSK ,531010100,1P DIGITAST ;
S , 7,TROMSK ,531010100,1P DIGITAST ;
S , 10,TROMSK ,531010100,1P DIGITAST ;
S , 11,TROMSK ,531010100,1P DIGITAST ;
S , 12,TROMSK ,531010100,1P DIGITAST ;
S , 13,TROMSK ,531010100,1P DIGITAST ;
S , 14,TROMSK ,531010100,1P DIGITAST ;
S , 15,TROMSK ,531010100,1P DIGITAST ;
S , 16,TROMSK ,531010100,1P DIGITAST ;
S , 17,TROMSK ,531010100,1P DIGITAST ;
S , 20,TROMSK ,531010100,1P DIGITAST ;
S , 22,TROMSK ,531010100,1P DIGITAST ;
S , 23,TROMSK ,531010100,1P DIGITAST ;
S , 24,TROMSK ,531010100,1P DIGITAST ;
S , 25,TROMSK ,531010100,1P DIGITAST ;
S , 26,TROMSK ,531010100,1P DIGITAST ;
S , 27,TROMSK ,531010100,1P DIGITAST ;
S , 30,TROMSK ,531010100,1P DIGITAST ;
S , 32,TROMSK ,531010100,1P DIGITAST ;
S , 33,TROMSK ,531010100,1P DIGITAST ;
S , 34,TROMSK ,531010100,1P DIGITAST ;
S , 35,TROMSK ,531010100,1P DIGITAST ;
S , 36,TROMSK ,531010100,1P DIGITAST ;
S , 37,TROMSK ,531010100,1P DIGITAST ;
S , 40,TROMSK ,531010100,1P DIGITAST ;
S , 42,TROMSK ,531010100,1P DIGITAST ;
S , 43,TROMSK ,531010100,1P DIGITAST ;
S , 44,TROMSK ,531010100,1P DIGITAST ;

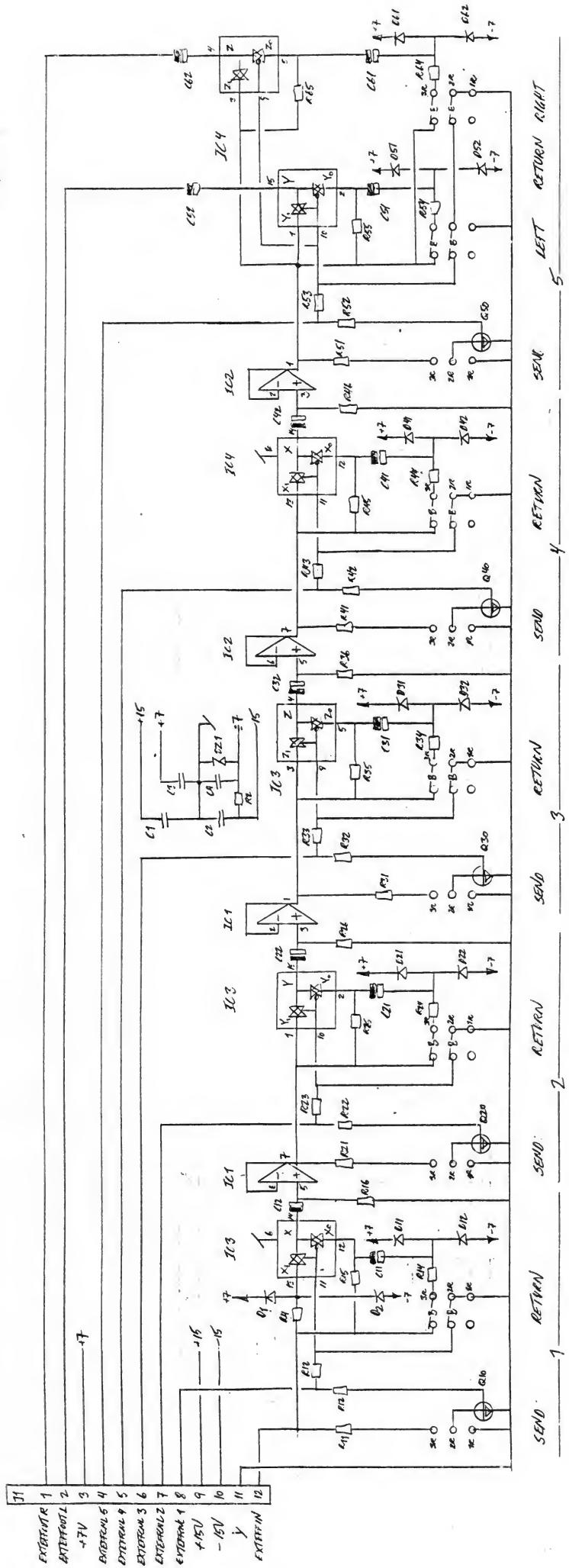
S , 45,TROMSK ,531010100,1P DIGITAST ,
S , 46,TROMSK ,531010100,1P DIGITAST ,
S , 47,TROMSK ,531010100,1P DIGITAST ,
S , 50,TROMSK ,531010100,1P DIGITAST ,
S , 52,TROMSK ,531010100,1P DIGITAST ,
S , 53,TROMSK ,531010100,1P DIGITAST ,
S , 54,TROMSK ,531010100,1P DIGITAST ,
S , 55,TROMSK ,531010100,1P DIGITAST ,
S , 56,TROMSK ,531010100,1P DIGITAST ,
S , 57,TROMSK ,531010100,1P DIGITAST ,

J , 1,CONN ,435525100,25 POL PIN ,
PCB, 2,PRINT ,670022902,

"*" markerer ændringer ifht. sidste opdat: B60313-KR
(disse ændringer er kun rettelser pga. fejl i gl. stykliste)

2904-1 EXT. EFFECTS CONTROL

85/1206 44.2



PARTSLIST 2904-01, 2290 EXT. EFFECT PW

PL-,NO-,TYPE---,TCKODE---,KOMPONENT---,T)

R , 2,MODST ,114511100,1K 1/4W 5%, ·
R , 4,MODST ,114511100,1K 1/4W 5%, ·R , 11,MODST ,114510100,100E 1/4W 5%, ·
R , 12,MODST ,114512220,22K 1/4W 5%, ·
R , 13,MODST ,114513220,220K 1/4W 5%, ·
R , 14,MODST ,114511100,1K 1/4W 5%, ·
R , 15,MODST ,114513330,330K 1/4W 5%, ·
R , 16,MODST ,114513220,220K 1/4W 5%, ·R , 21,MODST ,114510100,100E 1/4W 5%, ·
R , 22,MODST ,114512220,22K 1/4W 5%, ·
R , 23,MODST ,114513220,220K 1/4W 5%, ·
R , 24,MODST ,114511100,1K 1/4W 5%, ·
R , 25,MODST ,114513330,330K 1/4W 5%, ·
R , 26,MODST ,114513220,220K 1/4W 5%, ·R , 31,MODST ,114510100,100E 1/4W 5%, ·
R , 32,MODST ,114512220,22K 1/4W 5%, ·
R , 33,MODST ,114513220,220K 1/4W 5%, ·
R , 34,MODST ,114511100,1K 1/4W 5%, ·
R , 35,MODST ,114513330,330K 1/4W 5%, ·
R , 36,MODST ,114513220,220K 1/4W 5%, ·R , 41,MODST ,114510100,100E 1/4W 5%, ·
R , 42,MODST ,114512220,22K 1/4W 5%, ·
R , 43,MODST ,114513220,220K 1/4W 5%, ·
R , 44,MODST ,114511100,1K 1/4W 5%, ·
R , 45,MODST ,114513330,330K 1/4W 5%, ·
R , 46,MODST ,114513220,220K 1/4W 5%, ·R , 51,MODST ,114510100,100E 1/4W 5%, ·
R , 52,MODST ,114512220,22K 1/4W 5%, ·
R , 53,MODST ,114513220,220K 1/4W 5%, ·
R , 54,MODST ,114511100,1K 1/4W 5%, ·
R , 55,MODST ,114513330,330K 1/4W 5%, ·R , 64,MODST ,114511100,1K 1/4W 5%, ·
R , 65,MODST ,114513330,330K 1/4W 5%, ·C , 1,POLY ,242663100,100N 10% 2E,
C , 2,POLY ,242663100,100N 10% 2E,
C , 3,POLY ,242663100,100N 10% 2E,
C , 4,ELLYT ,281475220,22U/16 ,
C , 11,ELLYT ,281574100,1U/35 R 1E,
C , 12,ELLYT ,281574100,1U/35 R 1E,
C , 21,ELLYT ,281574100,1U/35 R 1E,
C , 22,ELLYT ,281574100,1U/35 R 1E,
C , 31,ELLYT ,281574100,1U/35 R 1E,
C , 32,ELLYT ,281574100,1U/35 R 1E,
C , 41,ELLYT ,281574100,1U/35 R 1E,
C , 42,ELLYT ,281574100,1U/35 R 1E,
C , 51,ELLYT ,281574100,1U/35 R 1E,
C , 52,ELLYT ,281574100,1U/35 R 1E,
C , 61,ELLYT ,281574100,1U/35 R 1E,
C , 62,ELLYT ,281574100,1U/35 R 1E,

D , 1,DIODE ,360141480,1N4148 , forste inngang kan få fire høy inngang snuddino. D1/D2 forbinder.
D , 2,DIODE ,360141480,1N4148 ,
D , 11,DIODE ,360141480,1N4148 ,
D , 12,DIODE ,360141480,1N4148 ,
D , 21,DIODE ,360141480,1N4148 ,
D , 22,DIODE ,360141480,1N4148 ,
D , 31,DIODE ,360141480,1N4148 ,
D , 32,DIODE ,360141480,1N4148 ,
D , 41,DIODE ,360141480,1N4148 ,
D , 42,DIODE ,360141480,1N4148 ,
D , 51,DIODE ,360141480,1N4148 ,
D , 52,DIODE ,360141480,1N4148 ,
D , 61,DIODE ,360141480,1N4148 ,
D , 62,DIODE ,360141480,1N4148 ,

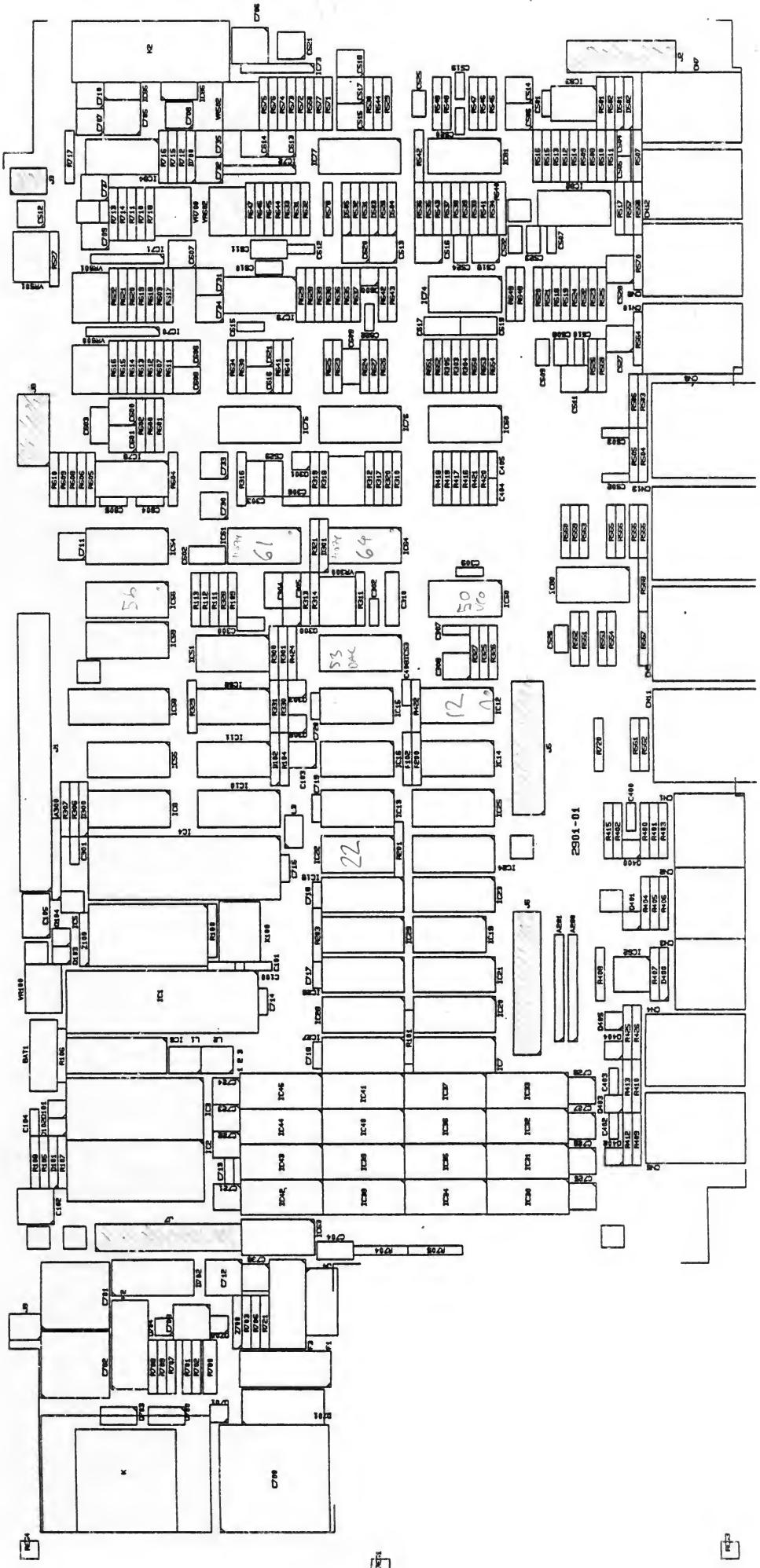
D2 , 1,ZENER ,366000750,BZX79 C7V5 ,

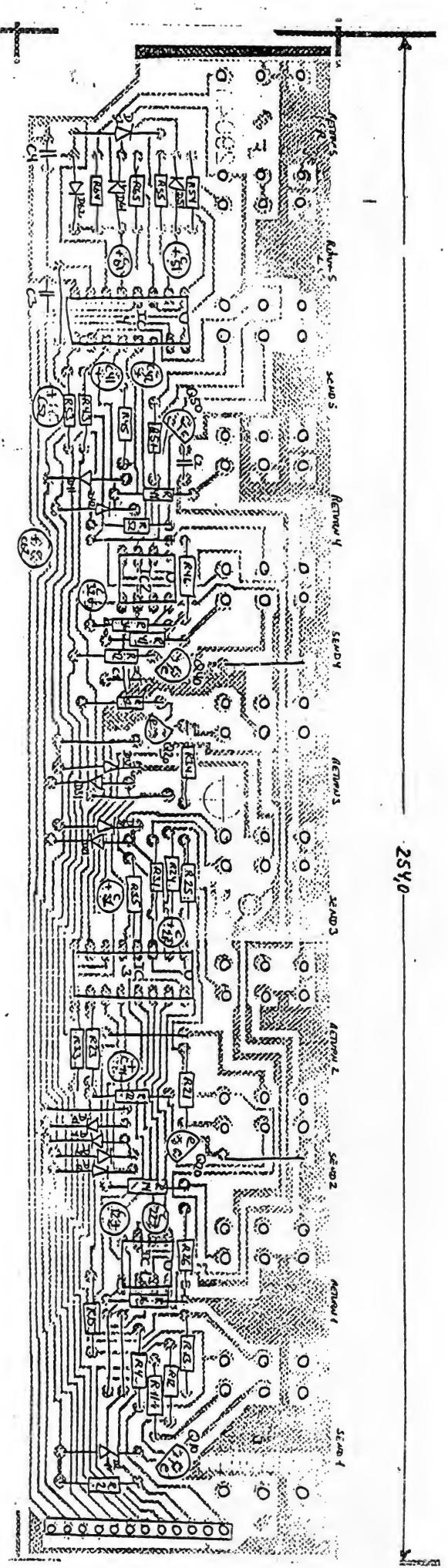
, 10,TRANS ,371005480,BC 548 B NPN,
, 20,TRANS ,371005480,BC 548 B NPN,
, 30,TRANS ,371005480,BC 548 B NPN,
, 40,TRANS ,371005480,BC 548 B NPN,
, 50,TRANS ,371005480,BC 548 B NPN,

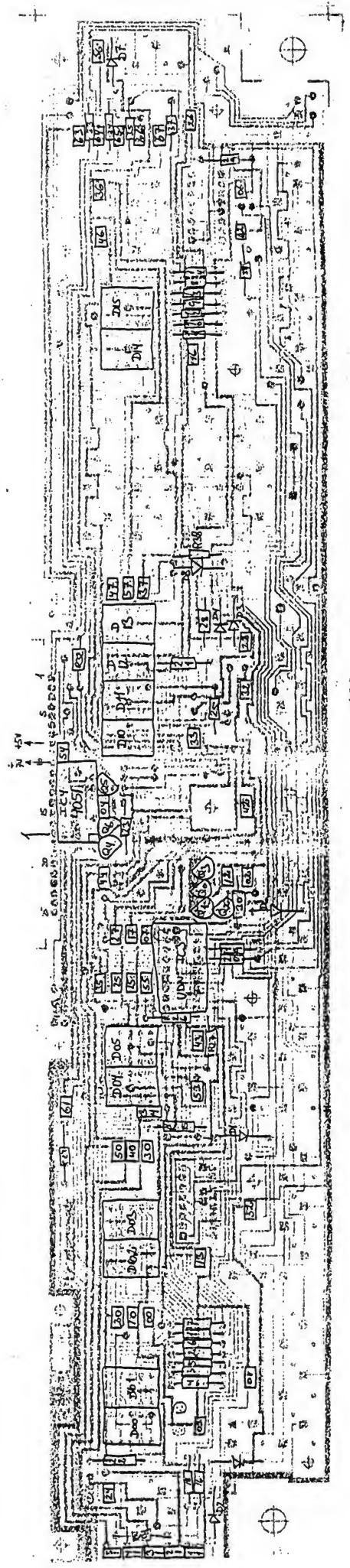
IC , 1,LINEAR ,312045590,RC 4559 ,
IC , 2,LINEAR ,312045590,RC 4559 ,
IC , 3,LINEAR ,322040053,MC 14053B ,
IC , 4,LINEAR ,322040053,MC 14053B ,

T , 10,JACK ,411071333,BBB-PCI TC 7,
T , 11,JACK ,411071333,BBB-PCI TC 7,
T , 20,JACK ,411071333,BBB-PCI TC 7,
T , 21,JACK ,411071333,BBB-PCI TC 7,
T , 30,JACK ,411071333,BBB-PCI TC 7,
T , 31,JACK ,411071333,BBB-PCI TC 7,
T , 40,JACK ,411071333,BBB-PCI TC 7,
T , 41,JACK ,411071333,BBB-PCI TC 7,
, 50,JACK ,411071333,BBB-PCI TC 7,
, 51,JACK ,411071333,BBB-PCI TC 7,
T , 61,JACK ,411071333,BBB-PCI TC 7,

J 1, 2,SIL ,435512100,12pol stik
PCB, 4,PRINT ,670022904,
'*' markerer endring siden sidste PL2904







51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

9.4 SPECIAL NUMBER LIST for prom ver.26.5

Spec No.	Min/max	Fac. Value	Preset/ Default	Name/ global Function
0	265	265	global	Prom Version No.
1	0-127	51	global	Midi Exclusive ID-No. - When sending midi exclusive codes (to another TC 2290 or to a computer), this number ensures that only equipment w. identical ID-Nos. are 'listening' to these exclusive codes.
2	0-1	1	global	Midi Exclusive Input Off. - '1' means that TC 2290 ignores input exclusive midi codes, (even if ID-no. is ok). With the value '0', TC 2290 responds to midi input exclusive codes.
3	0-1	1	global	Midi Exclusive Output Off. - '1' means that TC 2290 does not send out all keypressings as midi exclusive codes. With the value '0' all keypressings are send out as midi exclusive codes.
4	1-16	1	global	Midi Ch. - the frontpanel key <MIDI CH> actually selects this spec.#.
5	0-1	0	global	Midi Omni Off - '1' means that TC 2290 will only listen to the chosen MIDI channel #. At '0' TC 2290 listens on all midi channels.
6	0-1	0	global	Midi Enable, as the frontpanel key
7	1-32	1	global	Memory Size - here you write how many seconds delay, the TC 2290 has been fitted with. Take extreme care not to write a wrong value, or a very annoying and noisy 'hole' will appear in the sound if set too high !!
8	1-100	80	global	Preset Protect - all presets below this number are not protected against accidental store. Note: Preset #0 (the 'autostore' preset) cannot be protected.
9	0-1	0	preset	Inv. Dly.modulation. '1' to invert the flanger sweep start and env. pitchshift direction.

The next 4 spec.# set the thresholds associated with the modulation forms ENV and TRIG. The higher the value the higher input signal is nessecary to get the same modulation effect. Dly and Pan thresholds are from -48 to -24dB (ref 0dB PPM). Dyn thresholds -36 to -12dB. All in 3dB steps.

10	1-9	5	preset	Dly.Mod.Threshold, 9 thresholds for the Dly Env. and Trig waveforms.
11	1-9	5	preset	Pan Mod.Threshold. 9 thresholds for the Pan Env. and Trig waveforms.
12	1-9	5	preset	Dyn Dly.Vol Threshold. 9 thresholds for the Dyn Env. and Trig waveforms.
13	1-9	9	preset	Dyn Feedback Threshold. 9 thresholds for the Dyn Env. and Trig waveforms.

Spec No.	Min/max Value	Fac. Default	Preset/ global	Name/ Function
14	0-1	0	global	Manual Delay On Control ('1'=manual, '0'=in preset)
15	0-1	0	global	Manual Sample Control
16	0-1	0	global	Manual Outgain Control
17	0-1	0	global	Manual Dirgain Control
18	0-1	0	global	Manual Ext.Eff. Control
19	0-1	0	global	Keyboard Lock, '1' enables a double <ENTER><ENTER> on keyboard 'locks' keyb. to the parameter, preventing other <UP/DOWN> keys 'catching' keyboard. Pressing <.><.>, <PRESET>, <CHANGE> or <SPEC> will remove the lock.
20	0-1	0	global	Special Number Roll, for the user often programming spec.#.- Set to '1' to enable 'special number roll'. <SPEC> rolls forward one number, <ENTER> rolls forward to next spec.value. <DELAY UP/DOWN> cancels spec no.display.
21	0-255	0	global	SpecNo.Sys - for service only.
22	0	0	global	Show Keycode, to help when programming the assign keys. Selecting this results in the display of keycodes of all following keypressings. Note that the TC 2290 functions unaffected by this 'show keycode in delay display' so all keycodes for keys that result in a changed delay display can not be shown. These are <DELAY UP>, <DELAY DOWN>, <SPEC>, <MIDI CH> and <LEARN>.
23	0	0	global	Last Error, Shows last occurred errno. If you have had error. no.13 (=presets and spec.no overwritten by fac. defaults) a '0' must be entered here to tell the TC 2290 that you have seen the error. Check the Error #. List for other possible error nos.
24	0	0	global	Fatal Error. Show last-.(service only).
25	0-99	99	global	Direct Signal bypass volume. If Bypass Method (spec 26) is set to 'output mute' (val.1) or 'mute both' (val.2), this spec.no 25 decides the volume of the direct signal when delay is bypassed (w. the <DELAY ON> toggle key)
26	0,1,2	2	preset	Bypass Method, selects between 3 bypass methods: Input mute (0) for 'a tail of delay' or Output mute (1) for 'history, but no tail' or both (2) for 'no history, no tail' when bypassing.

SAMPLING SPECIAL NUMBER additions

spec No.	Min/max Value	Factory default	preset/global	Name/Function
0	26.00–30.99	SHOW	global	Software revision number.
1	26.00–30.99	SHOW	global	Software sales type
27	0–99	0	preset	Sequence counter. From 0–99 using trigger: source audio, MIDI, learn and metronome. From 100–199 using end of sample to trigger new sample. Eg.: value 110 will use sample trig sample as trigger source, and will play the preset 10 times.
28	0–255 256–60.0	0 0	preset preset	Metronome beats/minute milliseconds/beat
29	1–20	6	global	Record/playback threshold hysteresis. 1 to 20 dB to avoid false triggering.
30	1–9	2	global	Record threshold, 9 thresholds for the input level triggered record. The higher the value the higher input signal is necessary to trig start of recording
31	1–9	5	global	Playback threshold, 9 thresholds for the input triggered playback. The higher the value the higher input signal is necessary to trig/retrig playback. The thresholds are from -48 dB to -24dB in 3dB steps.

spec No.	Min/max Value	Factory default	preSet/ global	Name/ Function
32	0-1	0	global	Equal record/playback points when set to '0'. Separate record / playback points when set to '1'
33	0-99	0	preSet	Next preSet. Automatic shift to another preSet (only together with sequence counter). Eg. set next preSet to 50 and sequence counter to 101. Store the setting and call it. Now your preSet will play 1 time, and then shift to preSet 50.
34	20-33.0	50	global	Cross fade time. When retriggering a sample, crossfade time tells how long it takes for the first playback to fade out. The retriggered sample will playback normal.
35	500-2000	12	preSet	Playback pitch. 1000 = same pitch 500 = 1 octave down 2000 = 1 octave up
	0-24	12	preSet	12 = same pitch 10 = one note lower 13 = one and a half note higher.
36	0-1	0	preSet	Double sampling time. 0 = normal sampling time 1 = double sampling time
38	0-9999	1023	global	Max delay time. To achieve more than 9999 ms, press 0. The unit will use all available memory time for delay. Switch power on/off.
39	1000-32.0	2815	global	Max sampling time.

spec No.	Min/max Value	Factory default	preset/global	Name/Function
100	1-3	3	global	Assign master or slave 2= Stereo master 3= Stereo slave 1= Mono Fast trigger
<u>103</u>	0-1	0	preset	<u>Deep modulation</u> 0 = Standard modulation 1 = Deeper modulation
104	0-1	0	preset	0 = Hold function off 1 = Hold function on
105	0-1	1	global	Hold auto erase 0 = Auto erase off. 1 = Auto erase on.
106	0-1	0	global	Auto mute on erase 0 = Auto mute off 1 = Auto mute on
107	0-32	0	preset	Metronome on hold func. 0 = off 1-32 = steps in a period (bar) of the holdfunction.
108	0-1	0	global	Click track on hold. 0 = off 1 = click track on tc link
109	0-1	0	global	Double sample time display. 0 = off 1 = double sample time display.
<u>110</u>	0-127	0	global	Device number.
111	0-99	0	global	Preset source for MIDI dumping of one preset.
112	0-99	0	global	Preset destination for MIDI dump of one preset.
<u>113</u>	0-99	0	global	<u>Preset dump from slave to master.</u> All presets lower than a specific value will be dumped.

Spec 36
=1

spec No.	Min/max Value	Factory default	preset/ global	Name/ Function
114	0-1	0	global	Preset total dump from slave to master unit. 0 = off 1 = dump
115	0-1	0	global	Special number dump from slave to master. 0 = off 1 = dump
116	0-1	0	global	Disable keycodes on slave. 0 = off 1 = disable keycodes
<u>117</u>	0-1	1	global	<u>MIDI error check.</u> 1 = only fatal error. 0 = all MIDI error id.
120	0-2	0	global	Quick reset 0 = off 1 = load factory presets 2 = reset spec. no. 27 + 32 + 33 + 24

t.c.electronic